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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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| 1300/3C+ATC1 RCL | 05/522,007 | |
|------------------|------------|--|
| APPLICANT | | |
| MacPhee, et al. | | |
| FILING DATE | GROUP | |
| Herewith | 1652 | |

U.S. PATENT DOCUMENTS

| | 1 | 1 5 | T 5.4. | U.S. PAIENI DOCUMENIS | | Cultural | Cilina Data |
|---------------------|----|--------------------|--------|-----------------------|-------|----------|----------------------------|
| Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
| wwg | AA | 5,527,698 | 6-96 | Knopf, et al. | | | |
| | AB | 5,532,152 | 7-96 | Cousens et al. | | | |
| | AC | 5,641,669 | 6-97 | Cousens et al. | | | |
| | AD | 5,981,252 | 11-99 | MacPhee, et al | | <u> </u> | |
| | AE | 5,968,818 | 10-99 | Gloger, et al. | | | |
| | AF | 5,840,839 | 11-98 | Wang, et al. | | | |
| 7 | AG | 10/415,682 | 05-03 | Campbell, et al. | | | |
| ming | AH | 11/141,554 | 05-05 | MacPhee, et al. | | \ | |

FOREIGN PATENT DOCUMENTS

| | | | Document Number | Date | Country | Class | Subclass | <u>Trans</u> Yes | l <u>ation</u> No |
|-----|----|----|--------------------|----------|---------|-------|----------|---------------------|----------------------|
| [n] | m | BA | 0359425 A1 | 29-08-88 | EPO | | | | |
| | | вв | WO89/09818 | 19-10-89 | PCT | | | | |
| | 1 | вс | 0509719 A1 | 21-10-92 | EPO | | | | |
| n | MA | BD | WO95/00649 | 05-01-95 | PCT | | | | |
| | | | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | OTHER DOCUMENTS (Including Admor, time, Date, Pertinent Pages, Etc.) |
|--|---|
| CA Chandrakumar NS, et al., "Stereospecific Synthesis of Ether Phospholipids. P | |
| | Alkyl-2-(acylamino)-2-deoxyglycerophosphoryl cholines," J. Org. Chem., 1197-1202 (1983) |
| CB | Ponpipom MM, et al., "Synthesis of Azide and Amide Analogs of Platelet-Activating Factors |
| | and Related Derivatives," Chem. Phys. Lipids. 35:29-37 (1984) |
| CC | Stafforini D, et al., "Human plasma platelet-activating factor acetylhydrolase," J. Biol. Chem. |
| | 262(9):4223-4230 (1987) |
| CD Stafforini D, et al. "Human macrophages secrete plate-activating factor acetylhydrolase | |
| | Biol. Chem. 265(17):9682-9687 (1990). |
| CE | Langlais J., et al., Platelet-activating factor acetyl-hydrolase in human semen: a novel |
| | decapacitation factor?" Biol. of Reprod. 44 (Suppl.1):94 (1991). |
| CF | San H., et al. "Safety and Short Term Toxicity of a Novel and Cationic Formulation for |
| Human Gene Therapy," Human Gene Therapy: 781-798 (1993). | |
| CG Kim UT, et al. "Synthesis of Phospholipid Headgroups via Nucleophilic Ring Opening of | |
| r | 1.3.2-Dioxaphospholanes," J. Chem. Soc. Chem. Commun.: 70-71 (1993). |
| | CB CC CD CE CF |

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Sheet 2 of 2 .

Form PTO 449

U.S. Department of Commerce
Patent and Trademark Office

ATTY. DOCKET NO.
P30693C4X1C1 RCE

SERIAL NO. 09/922,067

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT
MacPhee, et al.

(Use several sheets if necessary)

FILING DATE GROUP
Herewith 1652

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | Office De October 110 (monday 1 dament 1 days) and 1 days and 1 da |
|-----------|----|--|
| way | СН | Christofferson R, et al. "Ribozymes as Human Therapeutic Agents," J. of Medicinal Chem.: 2023-2037 (1994). |
| | CI | Stull R, et al., "Antigene, Ribozyme, and Sptomer Nucleic Acid Drugs: Progress and Prospects," <i>Pharm. Res.</i> 12(4):465-483(1995) |
| | CJ | Steinbrecher et al., "Hydrolysis of phosphatidylcholine during LDL oxidation is mediated by platelet-activating factor acetylhydrolase," J. Lipid Res., 30(3):305-315 (1989) |
| | CK | Stremier K E, et al., "An Oxidized Derivative of Phosphatidylcholine is a Substrate for the Platelet-activating Factor Aceylhydrolase from Human Plasma," J. Biol. Chem., 264(10):5331-5334 (1989) |
| | CL | Sevier ED, et al., "Monoclonal Antibodies in Clinical Immunology," Clinical Chem. 27:1797-1806 (1981) |
| | CM | Kohler G, et al., Nature 236:495-497 (1975) |
| | CN | Bell, Rachel, et al., "Systematic screening of the LDL-PLA2 gene for polymorphic variants and case-control polymorphic variants and case-control analysis in schizophrenia," Biochemical and Biophysical Research Communications, 241(3): 630-635 (1997) XP002197530 |
| | СО | Yamada, Yoshiji, et al., "Correlations between plasma platelet-activating factor acetylhydrolase (PAF-AH) activity and PAF-AH genotype, age, and atherosclerosis in a Japanese Population", Atherosclerosis, 150(1):209-216(2000) XP002197527 |
| | СР | Hiramoto, Maoto, et al., "A mutation in plasma platelet-activating factor acetylhydrolase (Val279fwdarwPhe) is a genetic risk factor for stroke." <i>Stroke</i> , 28(12):2417-2420 (December 12, 1997) XP002197528 |
| | CQ | Kruse, Susanne, et al., "The Ilel98Thr and Ala379Val variants of plasmatic Pafacetylhydrolase impair catalytical activites and are associated with atopy and asthma," Am. Journal of Human Genetics, 66(5):1522-1530 (2000) XP002197529 |
| | CR | Tew, D. G., et al., "Purification, properties, sequencing and cloning of a lipo-protein-associated, serine-dependent phospholipase involved in the oxidative modification of low-density lipoproteins", Arteriosclerosis Thrombosis and Vascular Biology, 16(4):591-599 (April, 1996) |
| Luca | CS | Tjoelker, I. W., "Anti-inflammatory properties of a platelet-activating factor acetylhydrolase" Nature, MacMillan Journals Ltd., London, 374(6):549-553 (April 1995) XP002109103 |
| | | |
| EVANAINIE | | A DATE CONIGIDEDED |
| EXAMINER | | DATE CONSIDERED 11/2/05 |
| | | al if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through conformance and not considered. Include copyof this form with next communication to applicant. |
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| Form PTO-1449 | U.S. Department of Commerc Patent and Trademark Office | e ATTY. DOCKET NO. :e P30693C4X1C1 RCE | SERIAL NO. 09/922,067 |
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| | MADENAN | | • |

U.S. PATENT DOCUMENTS

| Examiner initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
|---------------------|----|--------------------|-------|------------------|-------|----------|----------------------------|
| mil | AA | 5,527,698 | 6-96 | Knopf, et al. | | | |
| | AB | 5,532,152 | 7-96 | Cousens et al. | | | |
| | AC | 5,641,669 | 6-97 | Cousens et al. | | | |
| | AD | 5,981,252 | 11-99 | MacPhee, et al | \ | | |
| | AE | 5,968,818 | 10-99 | Gloger, et al. | | | |
| | AF | 5,840,839 | 11-98 | Wang, et al. | | | |
| 7 | AG | 10/415,682 | 05-03 | Campbell, et al. | | | |
| Mules | AH | 11/141,554 | 05-05 | MacPhee, et al. | | , | |

FOREIGN PATENT DOCUMENTS

| | | Document Number | Date | Country | Class | Subclass | <u>Trans</u> Yes | lation No |
|------|----|--------------------|----------|---------|-------|----------|---------------------|--------------|
| min | BA | 0359425 A1 | 29-08-88 | EPO | | | | |
| | BB | WO89/09818 | 19-10-89 | PCT | | | | |
| V | BC | 0509719 A1 | 21-10-92 | EPO | | | | |
| hung | BD | WO95/00649 | 05-01-95 | PCT | | | | <u> </u> |
| | | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | OTTER DOCUMENTO (Incidening Admon, time, Date, Fernicett Fages, Etc.) |
|------|-----|---|
| mag- | CA | Chandrakumar NS, et al., "Stereospecific Synthesis of Ether Phospholipids. Preparation of a- |
| 1, | | Alkyl-2-(acylamino)-2-deoxyglycerophosphoryl cholines," J. Org. Chem., 1197-1202 (1983) |
| | СВ | Ponpipom MM, et al., "Synthesis of Azide and Amide Analogs of Platelet-Activating Factors and Related Derivatives," Chem. Phys. Lipids, 35:29-37 (1984) |
| · l | CC | Stafforini D, et al., "Human plasma platelet-activating factor acetylhydrolase," J. Biol. Chem. 262(9):4223-4230 (1987) |
| | CD | Stafforini D, et al. "Human macrophages secrete plate-activating factor acetylhydrolase," J. Biol. Chem. 265(17):9682-9687 (1990). |
| | CE | Langlais J., et al., Platelet-activating factor acetyl-hydrolase in human semen: a novel decapacitation factor?" Biol. of Reprod. 44 (Suppl.1):94 (1991). |
| | CF | Hong S, et al. "Safety and Short Term Toxicity of a Novel Cationic Lipid Formulation for Human Gene Therapy," Human Gene Therapy:781-798 (1993). |
| hung | .CG | Kim UT, et al. "Synthesis of Phospholipid Headgroups via Nucleophilic Ring Opening of 1.3.2-Dioxaphospholanes," J. Chem. Soc. Chem. Commun.:70-71 (1993). |

| | | | Sheet <u>2 or 2</u> . |
|---------------|-----------------------------|------------------|-----------------------|
| Form PTO-1449 | U.S. Deport manage Commerce | ATTY. DOCKET NO. | SERIAL NO. |
| | Patent and Trademark Office | P30693C4X1C1 RCE | 09/922,067 |
| INFORMATIC | ON DISCLOSURE STATEMENT | APPLICANT | |
| | BY APPLICANT | MacPhee, et al. | |
| | | FILING DATE | GROUP |
| (Use se | veral sheets if necessary) | Herewith | 1652 |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| Lung | СН | Christofferson R, et al. "Ribozymes as Human Therapeutic Agents," J. of Medicinal Chem.: 2023-2037 (1994) |
|----------|----|---|
| | CI | Stull R, et al., "Antigene, Ribozyme, and Aptomer Nucleic Acid Drugs: Progress and Prospects," <i>Pharm. Res.</i> 12(4):465-483(1995) |
| | CJ | Steinbrecher et al., "Hydrolysis of phosphatidylcholine during LDL oxidation is mediated by platelet-activating factor acetylhydrolase," J. Lipid Res., 30(3):305-315 (1989) |
| | CK | Stremler K E, et al., "An Oxidized Derivative of Phosphatidylcholine is a Substrate for the Platelet-activating Factor Aceylhydrolase from Human Plasma," J. Biol. Chem., 264(10):5331-5334 (1989) |
| | CL | Sevier ED, et al., "Monoclonal Antibodies in Clinical Immunology," Clinical Chem. 27:1797-1806 (1981) |
| | CM | Kohler G, et al., "Continuous Cultures of Fused Cells Secreting Antibody of Predefined Specificity" Nature 236:495-497 (August 7, 1975) |
| | CN | Bell, Rachel, et al., "Systematic screening of the LDL-PLA2 gene for polymorphic variants and case-control polymorphic variants and case-control analysis in schizophrenia," Biochemical and Biophysical Research Communications, 241(3): 630-635 (1997) XP002197530 |
| | СО | Yamada, Yoshiji, et al., "Correlations between plasma platelet-activating factor acetylhydrolase (PAF-AH) activity and PAF-AH genotype, age, and atherosclerosis in a Japanese Population", Atherosclerosis, 150(1):209-216(2000) XP002197527 |
| | СР | Hiramoto, Maoto, et al., "A mutation in plasma platelet-activating factor acetylhydrolase (Val279fwdarwPhe) is a genetic risk factor for stroke." <i>Stroke</i> , 28(12):2417-2420 (December 12, 1997) XP002197528 |
| | CQ | Kruse, Susanne, et al., "The Ilel98Thr and Ala379Val variants of plasmatic Pafacetylhydrolase impair catalytical activites and are associated with atopy and asthma," Am. Journal of Human Genetics, 66(5):1522-1530 (2000) XP002197529 |
| P | CR | Tew, D. G., et al., "Purification, properties, sequencing and cloning of a lipo-protein-associated, serine-dependent phospholipase involved in the oxidative modification of low-density lipoproteins", Arteriosclerosis Thrombosis and Vascular Biology, 16(4):591-599 (April, 1996) |
| Lund | CS | Tjoelker, I. W., "Anti-inflammatory properties of a platelet-activating factor acetylhydrolase", Nature, MacMillan Journals Ltd., London, 374(6):549-553 (April 1995) XP002109103 |
| EXAMINER | ! | DATE CONSIDERED |
| | | al if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through conformance and not considered. Include copyof this form with next communication to applicant. |